

PCT 371 Routing Sheet

APPLICATION

IFW DocCode - SEQREQ

Index using Current Date

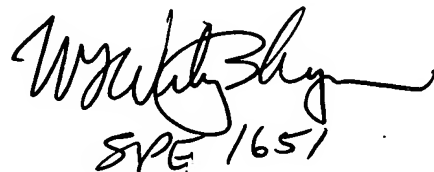
10/599,313

TO BE DELIVERED TO:
Tech Center Scanning

Sequence Rule Compliance Review Item

	CRF, paper copy of sequence listing, and statement that both are same missing
X	CRF contains error(s) according to STIC Report
	CRF damaged or unreadable according to STIC Report
	CRF transferred from prior application is not compliant

Place an "X" in the appropriate box


SPE 1651

Comment Sheet

APPLICATION SERIAL NUMBER

10/559,313

**DOES NOT COMPLY WITH THE
SEQUENCE RULES. See reasons below.**

The sequence listing filed by the Applicant on September 29, 2006 could not be accepted by STIC (please see attached comment from STIC, dated October 03, 2006).

W. W. Z. Z.
SPE 1651

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/599,313
Source: TFUO
Date Processed by STIC: 10/3/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06



IFWO

RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/599,313

TIME: 10:20:32

Input Set : A:\20010-06USA.ST25.txt

Output Set: N:\CRF4\10032006\J599313.raw

2 <110> APPLICANT: POSCO
 3 POSTECH Foundation
 4 CHA, Hyung Joon
 5 HWANG, Dong Soo
 7 <120> TITLE OF INVENTION: Mussel Bioadhesive
 9 <130> FILE REFERENCE: 20010-06USA
 11 <140> CURRENT APPLICATION NUMBER: US 10/599,313
 C--> 12 <141> CURRENT FILING DATE: 2006-09-25
 14 <150> PRIOR APPLICATION NUMBER: PCT/KR2005/000888
 15 <151> PRIOR FILING DATE: 2005-03-25
 17 <150> PRIOR APPLICATION NUMBER: US 60/556,805
 18 <151> PRIOR FILING DATE: 2004-03-26
 20 <160> NUMBER OF SEQ ID NOS: 35
 22 <170> SOFTWARE: KopatentIn 1.71
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 30
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: primer
 33 <400> SEQUENCE: 1
 34 ggcctgcagc agttctgaag aatacaaggg
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 29
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Artificial Sequence
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: primer
 46 <400> SEQUENCE: 2
 47 gtagatctat acgccggacc agtgaacag
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 21
 52 <212> TYPE: DNA
 53 <213> ORGANISM: Artificial Sequence
 55 <220> FEATURE:
 56 <223> OTHER INFORMATION: primer
 59 <400> SEQUENCE: 3
 60 cttgtatttt ccgctgtttt t
 63 <210> SEQ ID NO: 4
 64 <211> LENGTH: 21
 65 <212> TYPE: DNA
 66 <213> ORGANISM: Artificial Sequence
 68 <220> FEATURE:

Page Not Comply
 Corrected Diskette Needed
 (pg. 35) 2

30

29

21

RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/599,313

TIME: 10:20:32

Input Set : A:\20010-06USA.ST25.txt

Output Set: N:\CRF4\10032006\J599313.raw

69 <223> OTHER INFORMATION: primer

72 <400> SEQUENCE: 4

73 aaaaacagcg gaaaatacaa g 21

76 <210> SEQ ID NO: 5

77 <211> LENGTH: 228

78 <212> TYPE: DNA

79 <213> ORGANISM: Mytilus galloprovincialis

81 <220> FEATURE:

82 <221> NAME/KEY: CDS

83 <222> LOCATION: (1)..(228)

84 <223> OTHER INFORMATION: Mytilus galloprovincialis foot protein-5 cDNA

87 <400> SEQUENCE: 5

88 agt tct gaa gaa tac aaa ggt ggt tat tac cca ggc aat act tac cac 48

89 Ser Ser Glu Glu Tyr Lys Gly Gly Tyr Tyr Pro Gly Asn Thr Tyr His

90 1 5 10 15

92 tat cat tca ggt ggt agt tat cac gga tcc ggc tat cat gga gga tat 96

93 Tyr His Ser Gly Gly Ser Tyr His Gly Ser Gly Tyr His Gly Gly Tyr

94 20 25 30

96 aag gga aag tat tac gga aag gca aag aaa tac tat tat aaa tat aaa 144

97 Lys Gly Lys Tyr Tyr Gly Lys Ala Lys Lys Tyr Tyr Tyr Lys Tyr Lys

98 35 40 45

100 aac agc gga aaa tac aag tat ctg aag aaa gct aga aaa tac cat aga 192

101 Asn Ser Gly Lys Tyr Lys Tyr Leu Lys Lys Ala Arg Lys Tyr His Arg

102 50 55 60

104 aag ggt tac aag aag tat tat gga ggt ggt agc agt 228

105 Lys Gly Tyr Lys Lys Tyr Tyr Gly Gly Gly Ser Ser

106 65 70 75

109 <210> SEQ ID NO: 6

110 <211> LENGTH: 76

111 <212> TYPE: PRT

112 <213> ORGANISM: Mytilus galloprovincialis

114 <400> SEQUENCE: 6

115 Ser Ser Glu Glu Tyr Lys Gly Gly Tyr Tyr Pro Gly Asn Thr Tyr His

116 1 5 10 15

118 Tyr His Ser Gly Gly Ser Tyr His Gly Ser Gly Tyr His Gly Gly Tyr

119 20 25 30

121 Lys Gly Lys Tyr Tyr Gly Lys Ala Lys Lys Tyr Tyr Tyr Lys Tyr Lys

122 35 40 45

124 Asn Ser Gly Lys Tyr Lys Tyr Leu Lys Lys Ala Arg Lys Tyr His Arg

125 50 55 60

127 Lys Gly Tyr Lys Lys Tyr Tyr Gly Gly Gly Ser Ser

128 65 70 75

131 <210> SEQ ID NO: 7

132 <211> LENGTH: 180

133 <212> TYPE: DNA

134 <213> ORGANISM: mytilus edulis

136 <220> FEATURE:

137 <221> NAME/KEY: CDS

138 <222> LOCATION: (1)..(180)

RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/599,313

TIME: 10:20:32

Input Set : A:\20010-06USA.ST25.txt

Output Set: N:\CRF4\10032006\J599313.raw

139 <223> OTHER INFORMATION: 6 times repeated sequence derived from mytilus edulis foot
 140 protein-1

143 <400> SEQUENCE: 7

144 gct aaa ccg tct tac ccg ccg acc tac aaa gca aaa ccc tcg tac cca 48
 145 Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro
 146 1 5 10 15

148 ccg act tat aag gct aaa cct agc tat cca cct acg tac aaa gct aaa 96
 149 Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys
 150 20 25 30

152 ccg tct tac ccg ccg act tac aaa gca aaa ccg tcc tac cct ccg acc 144
 153 Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr
 154 35 40 45

156 tat aag gct aaa ccg agt tac ccc ccg act tac aaa 180
 157 Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys
 158 50 55 60

161 <210> SEQ ID NO: 8

162 <211> LENGTH: 60

163 <212> TYPE: PRT

164 <213> ORGANISM: mytilus edulis

166 <400> SEQUENCE: 8

167 Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro
 168 1 5 10 15
 170 Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys
 171 20 25 30
 173 Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr
 174 35 40 45
 176 Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys
 177 50 55

180 <210> SEQ ID NO: 9

181 <211> LENGTH: 411

182 <212> TYPE: DNA

183 <213> ORGANISM: Artificial Sequence

185 <220> FEATURE:

186 <223> OTHER INFORMATION: Bioadhesive protein(mgfp-150) coding sequence

189 <220> FEATURE:

190 <221> NAME/KEY: CDS

191 <222> LOCATION: (1)..(411)

192 <223> OTHER INFORMATION: Bioadhesive protein(mgfp-150)

195 <400> SEQUENCE: 9

196 gct aaa ccg tct tac ccg ccg acc tac aaa gca aaa ccc tcg tac cca
 197 Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro
 198 1 5 10 15
 200 ccg act tat aag gct aaa cct agc tat cca cct acg tac aaa gct aaa
 201 Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys
 202 20 25 30
 204 ccg tct tac ccg ccg act tac aaa gca aaa ccg tcc tac cct ccg acc 144
 205 Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr
 206 35 40 45
 208 tat aag gct aaa ccg agt tac ccc ccg act tac aaa agt tct gaa gaa 192

*PK explain source
 of genetic material.
 Invalid response*

*See
 error
 explanation
 on page
 6.*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/599,313

DATE: 10/03/2006

TIME: 10:20:32

Input Set : A:\20010-06USA.ST25.txt

Output Set: N:\CRF4\10032006\J599313.raw

209 Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ser Ser Glu Glu
 210 50 55 60
 212 tac aag ggt ggt tat tac cca ggc aat tgc aac cac tat cat tca ggt 240
 213 Tyr Lys Gly Gly Tyr Tyr Pro Gly Asn Ser Asn His Tyr His Ser Gly
 214 65 70 75 80
 216 ggt agt tat cac gga tcc ggc tac cat gga gga tat aag gga aag tat 288
 217 Gly Ser Tyr His Gly Ser Gly Tyr His Gly Gly Tyr Lys Gly Lys Tyr
 218 85 90 95
 220 tac gga aag gca aag aaa tac tat tat aaa tat aaa aac agc gga aaa 336
 221 Tyr Gly Lys Ala Lys Lys Tyr Tyr Tyr Lys Tyr Lys Asn Ser Gly Lys
 222 100 105 110
 224 tac aag tat cta aag aaa gct aga aaa tac cat aga aag ggt tac aag 384
 225 Tyr Lys Tyr Leu Lys Lys Ala Arg Lys Tyr His Arg Lys Gly Tyr Lys
 226 115 120 125
 228 aag tat tat gga ggt agc agt gaa ttc 411
 229 Lys Tyr Tyr Gly Gly Ser Ser Glu Phe
 230 130 135

233 <210> SEQ ID NO: 10

234 <211> LENGTH: 137

235 <212> TYPE: PRT

236 <213> ORGANISM: Artificial Sequence

W--> 238 <220> FEATURE:

W--> 238 <223> OTHER INFORMATION:

W--> 238 <400> 10

239 Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro
 240 1 5 10 15
 242 Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys
 243 20 25 30
 245 Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr
 246 35 40 45
 248 Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ser Ser Glu Glu
 249 50 55 60
 251 Tyr Lys Gly Gly Tyr Tyr Pro Gly Asn Ser Asn His Tyr His Ser Gly
 252 65 70 75 80
 254 Gly Ser Tyr His Gly Ser Gly Tyr His Gly Gly Tyr Lys Gly Lys Tyr
 255 85 90 95
 257 Tyr Gly Lys Ala Lys Lys Tyr Tyr Tyr Lys Tyr Lys Asn Ser Gly Lys
 258 100 105 110
 260 Tyr Lys Tyr Leu Lys Lys Ala Arg Lys Tyr His Arg Lys Gly Tyr Lys
 261 115 120 125
 263 Lys Tyr Tyr Gly Gly Ser Ser Glu Phe
 264 130 135

267 <210> SEQ ID NO: 11

268 <211> LENGTH: 411

269 <212> TYPE: DNA

270 <213> ORGANISM: Artificial Sequence

272 <220> FEATURE:

273 <223> OTHER INFORMATION: Bioadhesive protein(mgfp-051) coding sequence

276 <220> FEATURE:

PLS explain source
of genetic
material.

PLS insert

← mandatory

IF <213>
response is

Artificial
or unknown,
pls explain

in section
<220>-<223>

What is the source of
genetic material?

Invalid
response

See error
explanation on page
6. 10/3/2006

RAW SEQUENCE LISTING

DATE: 10/03/2006

PATENT APPLICATION: US/10/599,313

TIME: 10:20:32

Input Set : A:\20010-06USA.ST25.txt

Output Set: N:\CRF4\10032006\J599313.raw

277 <221> NAME/KEY: CDS

278 <222> LOCATION: (1)..(411)

279 <223> OTHER INFORMATION: Bioadhesive protein(mgfp-051)

282 <400> SEQUENCE: 11

283 agt tct gaa gaa tac aag ggt ggt tat tac cca ggc aat tcg aac cac 48

284 Ser Ser Glu Glu Tyr Lys Gly Gly Tyr Tyr Pro Gly Asn Ser Asn His

285 1 5 10 15

287 tat cat tca ggt ggt agt tat cac gga tcc ggc tac cat gga gga tat 96

288 Tyr His Ser Gly Gly Ser Tyr His Gly Ser Gly Tyr His Gly Gly Tyr

289 20 25 30

291 aag gga aag tat tac gga aag gca aag aaa tac tat tat aaa tat aaa 144

292 Lys Gly Lys Tyr Tyr Gly Lys Ala Lys Lys Tyr Tyr Tyr Lys Tyr Lys

293 35 40 45

295 aac agc gga aaa tac aag tat cta aag aaa gct aga aaa tac cat aga 192

296 Asn Ser Gly Lys Tyr Lys Tyr Leu Lys Lys Ala Arg Lys Tyr His Arg

297 50 55 60

299 aag ggt tac aag aag tat tat gga ggt agc agt gaa ttc gct aaa ccg 240

300 Lys Gly Tyr Lys Lys Tyr Tyr Gly Gly Ser Ser Glu Phe Ala Lys Pro

301 65 70 75 80

303 tct tac ccg ccg acc tac aaa gca aaa ccc tcg tac cca ccg act tat 288

304 Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr

305 85 90 95

307 aag gct aaa cct agc tat cca cct acg tac aaa gct aaa ccg tct tac 336

308 Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr

309 100 105 110

311 ccg ccg act tac aaa gca aaa ccg tcc tac cct ccg acc tat aag gct 384

312 Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr Lys Ala

313 115 120 125

315 aaa ccg agt tac ccc ccg act tac aaa 411

316 Lys Pro Ser Tyr Pro Pro Thr Tyr Lys

317 130 135

320 <210> SEQ ID NO: 12

321 <211> LENGTH: 137

322 <212> TYPE: PRT

323 <213> ORGANISM: Artificial Sequence

W--> 325 <220> FEATURE:

W--> 325 <223> OTHER INFORMATION:

W--> 325 <400> 12

326 Ser Ser Glu Glu Tyr Lys Gly Gly Tyr Tyr Pro Gly Asn Ser Asn His

327 1 5 10 15

329 Tyr His Ser Gly Gly Ser Tyr His Gly Ser Gly Tyr His Gly Gly Tyr

330 20 25 30

332 Lys Gly Lys Tyr Tyr Gly Lys Ala Lys Lys Tyr Tyr Tyr Lys Tyr Lys

333 35 40 45

335 Asn Ser Gly Lys Tyr Lys Tyr Leu Lys Lys Ala Arg Lys Tyr His Arg

336 50 55 60

338 Lys Gly Tyr Lys Lys Tyr Tyr Gly Gly Ser Ser Glu Phe Ala Lys Pro

339 65 70 75 80

341 Ser Tyr Pro Pro Thr Tyr Lys Ala Lys Pro Ser Tyr Pro Pro Thr Tyr

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/599,313

DATE: 10/03/2006
TIME: 10:20:33

Input Set : A:\20010-06USA.ST25.txt

Output Set: N:\CRF4\10032006\J599313.raw

Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"

or "Unknown". Please explain source of genetic material in <220> to <223>

section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32)

(Sec.1.823 of new Rules)

Seq#: 10,12,14,16,18,20,22

Error Explanation: ✓

VERIFICATION SUMMARY

DATE: 10/03/2006

PATENT APPLICATION: US/10/599,313

TIME: 10:20:33

Input Set : A:\20010-06USA.ST25.txt

Output Set: N:\CRF4\10032006\J599313.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:238 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial Sequence
L:238 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial Sequence
L:238 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:238
L:325 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial Sequence
L:325 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial Sequence
L:325 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:325
L:428 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence
L:428 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial Sequence
L:428 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:428
L:524 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial Sequence
L:524 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial Sequence
L:524 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:524
L:613 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:18, <213>
ORGANISM:Artificial Sequence
L:613 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:18, <213>
ORGANISM:Artificial Sequence
L:613 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:18,Line#:613
L:715 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:20, <213>
ORGANISM:Artificial Sequence
L:715 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:20, <213>
ORGANISM:Artificial Sequence
L:715 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:20,Line#:715
L:832 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:22, <213>
ORGANISM:Artificial Sequence
L:832 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:22, <213>
ORGANISM:Artificial Sequence
L:832 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:22,Line#:832